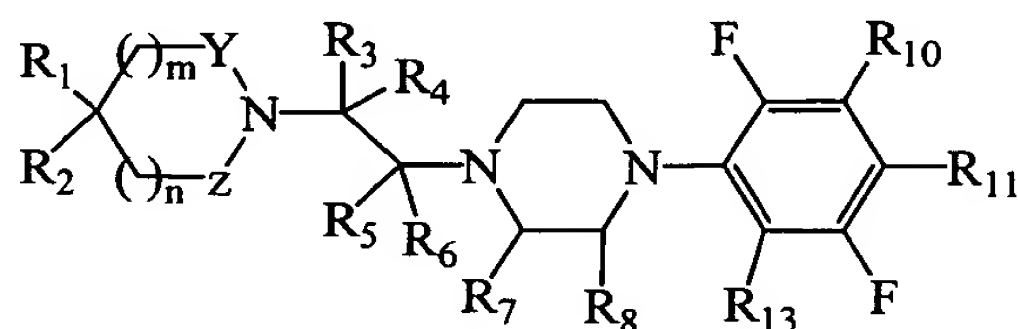


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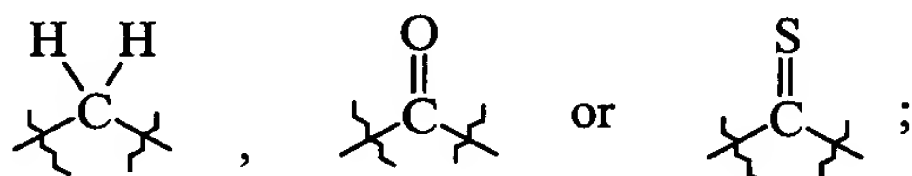
receptor with a compound so as to inhibit activation of the receptor, wherein the compound binds to the human α_{1d} adrenergic receptor with a binding affinity which is at least 25-fold higher than the binding affinity with which the compound binds to (i) a human α_{1a} adrenergic receptor and (ii) a human α_{1b} adrenergic receptor, and the compound binds to the human α_{1d} adrenergic receptor with a binding affinity which is at least ten-fold higher than the binding affinity with which the compound binds to a human 5-HT_{1a} receptor.--

--7. (Amended) A method of inhibiting activation of a human α_{1d} adrenergic receptor which comprises contacting the receptor with a compound so as to inhibit activation of the receptor, wherein the compound has the structure:



wherein each m and n is independently an integer from 0 to 2;

wherein each Y and Z is independently



wherein R₁ and R₂ (i) are independently H, branched or unbranched C₁-C₆ alkyl or alkoxy, branched or unbranched C₂-C₆ alkenyl or alkynyl, branched or unbranched C₁-C₆ hydroxyalkyl, hydroxy, substituted or unsubstituted aryl or aryl-(C₁-C₆)-

alkyl, or substituted or unsubstituted heteroaryl or heteroaryl-(C₁-C₆)-alkyl, wherein the substituent if present is a halogen, CN, nitro, hydroxy, branched or unbranched C₁-C₆ alkyl or alkoxy group, or branched or unbranched C₂-C₆ alkenyl or alkynyl group; or (ii) taken together form a substituted or unsubstituted cycloalkyl ring containing 3-10 carbons, wherein the substituent if present is a branched or unbranched C₁-C₆ alkyl group or branched or unbranched C₂-C₆ alkenyl or alkynyl group;

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cont
wherein R₃ is H, branched or unbranched C₁-C₆ alkyl, branched or unbranched C₂-C₆ alkenyl or alkynyl, C₃-C₇ cycloalkyl, C₃-C₇ cycloalkylalkyl, aryl, heteroaryl, aryl-(C₁-C₆)-alkyl, heteroaryl-(C₁-C₆)-alkyl, substituted C₁-C₆ alkyl, substituted C₃-C₇ cycloalkyl, substituted aryl, substituted heteroaryl, substituted aryl-(C₁-C₆)-alkyl, or substituted heteroaryl-(C₁-C₆)-alkyl, wherein the substituent if present is a halogen, CN, nitro, C₁-C₆ alkyl, OR₁₄, SR₁₄, N(R₁₄)₂, SO₂N(R₁₄)₂, CO₂R₁₄, SO₃R₁₄, N(R₁₄)COR₁₄, CON(R₁₄)₂, or N(R₁₄)CON(R₁₄)₂;

wherein R₄ is H or CH₃;

wherein R₅ is H, branched or unbranched C₁-C₆ alkyl, branched or unbranched C₂-C₆ alkenyl or alkynyl, C₃-C₇ cycloalkyl, C₃-C₇ cycloalkylalkyl, aryl, heteroaryl, aryl-(C₁-C₆)-alkyl, heteroaryl-(C₁-C₆)-alkyl, substituted C₁-C₆ alkyl, substituted C₃-C₇ cycloalkyl, substituted aryl, substituted heteroaryl, substituted aryl-(C₁-C₆)-alkyl, or substituted heteroaryl-(C₁-C₆)-alkyl, wherein the substituent if present is a halogen, CN, nitro, C₁-C₆ alkyl, OR₁₄, SR₁₄, N(R₁₄)₂, SO₂N(R₁₄)₂, CO₂R₁₄, SO₃R₁₄, N(R₁₄)COR₁₄, CON(R₁₄)₂, or N(R₁₄)CON(R₁₄)₂;

wherein R₆ is H, branched or unbranched C₁-C₆ alkyl, branched

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conced

or unbranched C₂-C₆ alkenyl or alkynyl, C₃-C₇ cycloalkyl, C₃-C₇ cycloalkylalkyl, aryl, heteroaryl, aryl-(C₁-C₆)-alkyl, heteroaryl-(C₁-C₆)-alkyl, substituted C₁-C₆ alkyl, substituted C₃-C₇ cycloalkyl, substituted aryl, substituted heteroaryl, substituted aryl-(C₁-C₆)-alkyl, or substituted heteroaryl-(C₁-C₆)-alkyl, wherein the substituent if present is a halogen, CN, nitro, C₁-C₆ alkyl, OR₁₄, SR₁₄, N(R₁₄)₂, SO₂N(R₁₄)₂, CO₂R₁₄, SO₃R₁₄, N(R₁₄)COR₁₄, CON(R₁₄)₂, or N(R₁₄)CON(R₁₄)₂;

wherein R₇ is H, branched or unbranched C₁-C₆ alkyl, branched or unbranched C₂-C₆ alkenyl or alkynyl, C₃-C₇ cycloalkyl, aryl, aryl-(C₁-C₆)-alkyl, CO₂R₁₄, CON(R₁₄)₂, substituted C₁-C₆ alkyl, substituted aryl, wherein the substituent is N(R₁₄)₂, halogen, OR₁₄ or SR₁₄;

wherein R₈ is H or CH₃;

wherein R₁₀ is H or F;

wherein R₁₁ is H, F, Cl, Br, I, CN, branched or unbranched C₁-C₆ alkyl or alkoxy;

wherein R₁₃ is H or F;

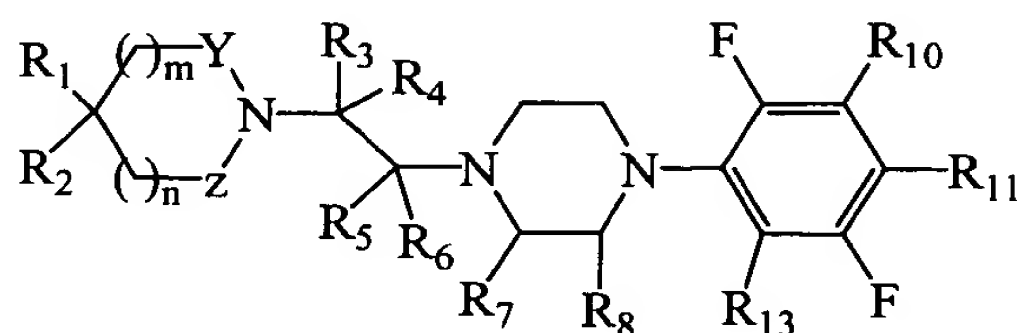
and wherein R₁₄ is independently H or branched or unbranched C₁-C₆ alkyl. --

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--14. (Amended) The compound of claim 16, wherein the compound comprises the (+) enantiomer. --

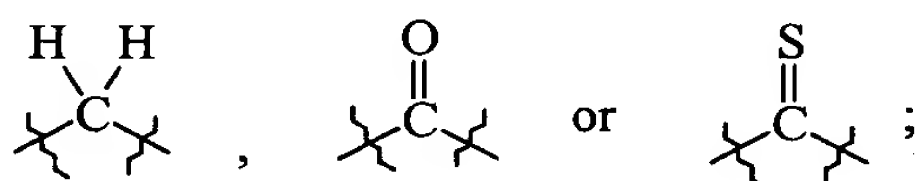
--15. (Amended) The compound of claim 16, wherein the compound comprises the (-) enantiomer.--

--16. (Amended) A compound having the structure:



wherein each m and n is independently an integer from 0 to 2;

wherein each Y and Z is independently



wherein R_1 and R_2 (i) are independently H, branched or unbranched C_1 - C_6 alkyl or alkoxy, branched or unbranched C_2 - C_6 alkenyl or alkynyl, branched or unbranched C_1 - C_6 hydroxyalkyl, hydroxy, substituted or unsubstituted aryl or aryl- (C_1-C_6) -alkyl, or substituted or unsubstituted heteroaryl or heteroaryl- (C_1-C_6) -alkyl, wherein the substituent if present is a halogen, CN, nitro, hydroxy, branched or unbranched C_1 - C_6 alkyl or alkoxy group, or branched or unbranched C_2 - C_6 alkenyl or alkynyl group; or (ii) taken together form a substituted or unsubstituted cycloalkyl ring containing 3-10 carbons, wherein the substituent if present is a branched or unbranched C_1 - C_6 alkyl group or branched or unbranched C_2 - C_6 alkenyl or alkynyl group;

wherein R_3 is H, branched or unbranched C_1 - C_6 alkyl, branched or unbranched C_2 - C_6 alkenyl or alkynyl, C_3 - C_7 cycloalkyl, C_3 - C_7 cycloalkylalkyl, aryl, heteroaryl, aryl- (C_1-C_6) -alkyl, heteroaryl- (C_1-C_6) -alkyl, substituted C_1 - C_6 alkyl, substituted

C₃-C₇ cycloalkyl, substituted aryl, substituted heteroaryl, substituted aryl-(C₁-C₆)-alkyl, or substituted heteroaryl-(C₁-C₆)-alkyl, wherein the substituent if present is a halogen, CN, nitro, C₁-C₆ alkyl, OR₁₄, SR₁₄, N(R₁₄)₂, SO₂N(R₁₄)₂, CO₂R₁₄, SO₃R₁₄, N(R₁₄)COR₁₄, CON(R₁₄)₂, or N(R₁₄)CON(R₁₄)₂;

wherein R₄ is H or CH₃;

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cont
wherein R₅ is H, branched or unbranched C₁-C₆ alkyl, branched or unbranched C₂-C₆ alkenyl or alkynyl, C₃-C₇ cycloalkyl, C₃-C₇ cycloalkylalkyl, aryl, heteroaryl, aryl-(C₁-C₆)-alkyl, heteroaryl-(C₁-C₆)-alkyl, substituted C₁-C₆ alkyl, substituted C₃-C₇ cycloalkyl, substituted aryl, substituted heteroaryl, substituted aryl-(C₁-C₆)-alkyl, or substituted heteroaryl-(C₁-C₆)-alkyl, wherein the substituent if present is a halogen, CN, nitro, C₁-C₆ alkyl, OR₁₄, SR₁₄, N(R₁₄)₂, SO₂N(R₁₄)₂, CO₂R₁₄, SO₃R₁₄, N(R₁₄)COR₁₄, CON(R₁₄)₂, or N(R₁₄)CON(R₁₄)₂;

wherein R₆ is H, branched or unbranched C₁-C₆ alkyl, branched or unbranched C₂-C₆ alkenyl or alkynyl, C₃-C₇ cycloalkyl, C₃-C₇ cycloalkylalkyl, aryl, heteroaryl, aryl-(C₁-C₆)-alkyl, heteroaryl-(C₁-C₆)-alkyl, substituted C₁-C₆ alkyl, substituted C₃-C₇ cycloalkyl, substituted aryl, substituted heteroaryl, substituted aryl-(C₁-C₆)-alkyl, or substituted heteroaryl-(C₁-C₆)-alkyl, wherein the substituent if present is a halogen, CN, nitro, C₁-C₆ alkyl, OR₁₄, SR₁₄, N(R₁₄)₂, SO₂N(R₁₄)₂, CO₂R₁₄, SO₃R₁₄, N(R₁₄)COR₁₄, CON(R₁₄)₂, or N(R₁₄)CON(R₁₄)₂;

wherein R₇ is H, branched or unbranched C₁-C₆ alkyl, branched or unbranched C₂-C₆ alkenyl or alkynyl, C₃-C₇ cycloalkyl, aryl, aryl-(C₁-C₆)-alkyl, CO₂R₁₄, CON(R₁₄)₂, substituted C₁-C₆ alkyl, substituted aryl, wherein the substituent is N(R₁₄)₂, halogen, OR₁₄ or SR₁₄;

wherein R_8 is H or CH_3 ;

wherein R_{10} is H or F;

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conceded wherein R_{11} is H, F, Cl, Br, I, CN, branched or unbranched C_1 - C_6 alkyl or alkoxy;

wherein R_{13} is H or F;

and wherein R_{14} is independently H or branched or unbranched C_1 - C_6 alkyl. --

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--22. (Amended) A pharmaceutical composition comprising a therapeutically effective amount of the compound of claim 16 and a pharmaceutically acceptable carrier.--

B5
--29. (Amended) A pharmaceutical composition obtained by combining a therapeutically effective amount of the compound of claim 16 and a pharmaceutically acceptable carrier. --

--30. (Amended) A process for making a pharmaceutical composition comprising combining a therapeutically effective amount of the compound of claim 16 and a pharmaceutically acceptable carrier. --

B6
--32. (Amended) A method of treating a subject afflicted with a disease which is susceptible to treatment by antagonism of the human α_{1d} adrenergic receptor which comprises administering to the subject an amount of the compound of claim 16 effective to treat the disease. --

--33. (Amended) A method of treating a subject afflicted with

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B⁴
canceled
hypertension which comprises administering to the subject an amount of the compound of claim 16 effective to treat the disease. --

--34. (Amended) A method of treating a subject afflicted with Raynaud's disease which comprises administering to the subject an amount of the compound of claim 16 effective to treat the disease. --

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--36. (Amended) A method of treating a subject afflicted with urinary incontinence which comprises administering to the subject an amount of the compound of claim 16 effective to treat the disease. -

A marked-up copy of the amendments to the claims is attached hereto as **Exhibit A**.

REMARKS

Claims 1-42 were pending in the subject application. By this Amendment, applicants have canceled claims 1, 5, 6 and 13, and have amended claims 2, 7, 14-16, 22, 29-30, 32-34, and 36. Accordingly, upon entry of this Amendment, claims 2-4, 7-12, and 14-42, as amended, will be pending and presently under examination.

Applicants maintain that the amendments to claims 2, 7, 14-16, 22, 29-30, 32-34, and 36 do not raise any issue of new matter.

Support for amended claim 2 may be found inter alia in the specification, as originally filed, on page 15, lines 14-23. Support for amended claim 7 may be found inter alia in the specification, as originally filed, on page 16, line 3 through page 18, line 20. Support for amended claims 14 and 15 may be